

Application No.: 09/974,593

Docket No.: JCLA8091

2. (currently amended) The apparatus of claim 1, wherein ~~the tongues pieces gradually close to the disc-shaped recording medium with respect to the insertion direction and then contact with the outer circumference of the disc-shaped recording medium.~~ the holding device comprises:

a fixing portion fixed to the carrier;

a plurality of tongue pieces, being in contact with the disc-shaped recording medium to actuate a force; and

an elastic portion, located between the fixing portion and the tongue pieces, for the tongue pieces actuating an elastic force on the disc-shaped recording medium.

2 3. (currently amended) The apparatus of claim 1~~2~~, wherein the tongues pieces contact the outer circumference of the disc-shaped recording medium along an insertion direction.

4. (currently amended) The apparatus of claim 2, wherein the holding device comprises a disc detecting switch installed ~~opposite to the tongue pieces on the carrier~~ for detecting the loading of the disc-shaped recording medium by means of being in contact with the outer circumference of the disc-shaped recording medium,

the fixing portion of the holding device is a body of the detecting switch,

the tongue pieces of the holding device ~~is driving pieces~~ of the detecting switch, and

the elastic portion of the holding device, located in the body of the detecting switch, presses the driving pieces toward ~~a spring~~ of the disc-shaped recording medium.

Application No.: 09/974,593

Docket No.: JCLA8091

5. (currently amended) ~~A recording medium loading~~ The apparatus of claim 1, comprising a disc detecting switch, installed on the carrier for detecting the loading of the disc-shaped recording medium by means of being in contact with the outer circumference of the disc-shaped recording medium.

~~a transferring mechanism for transferring a disc shaped recording medium between an eject position and a loaded position;~~

~~a holder for holding the transferring mechanism;~~

~~a base having a turntable, and the turntable being capable of rotatably driving the disc-shaped recording medium in a status that the disc-shaped recording medium is loaded;~~

~~a driving mechanism for loading the disc shaped recording medium on the turntable by driving the holder and the base to be relatively close;~~

~~a disc holding member installed on the transferring mechanism and the holder for engaging with the disc shaped recording medium and then holding the disc shaped recording medium to be transferred; and~~

~~a holding member driving device installed on the base, for engaging with the disc holding member when the disc shaped recording medium is transferred accompanying with the holder and the base being relatively close, and for detaching the disc shaped recording medium from the disc holding member when the disc shaped recording medium is loaded onto turntable.~~

Application No.: 09/974,593

Docket No.: JCLA8091

6. (new) The apparatus of claim 1, wherein the holding device is capable of selectively holding a first disc-shaped recording medium with a first diameter, and a second disc-shaped recording medium with a diameter smaller than the first diameter.

7. (new) The apparatus of claim 1, wherein the carrier further comprises a cartridge engaging member for engaging with ^{N/A} the disc cartridge of the disc-shaped recording medium and, ~~and~~ selectively transferring the disc-shaped recording medium (not loaded) in the disc cartridge and the disc-shaped recording medium loaded in the disc cartridge.

How is the
medium
loaded into
disc
cartridge?

Q1 8. (new) A recording medium loading apparatus, comprising:

a transferring mechanism for transferring a disc-shaped recording medium between an eject position and a loaded position, the transferring mechanism comprising a holder and a disc holding member for holding the disc-shaped recording medium held and transferred by the holder;

a base having a turntable, for rotatably driving the disc-shaped recording medium in a status that the disc-shaped recording medium is loaded;

a driving mechanism for loading the disc shaped recording medium on the turntable by driving either or both of the holder and the base to bring the holder and the base to be in close proximity; and

a holding member driving device installed on the base, for contacting and driving the disc holding member held by the holder when the holder and the base are relatively brought in close

Application No.: 09/974,593

Docket No.: JCLA8091

proximity by the driving mechanism, so as to detach the disc holding member from the disc-shaped recording medium,

wherein, when the transferring mechanism transfers the disc-shaped recording medium, the disc holding member of the transferring mechanism holds the disc-shaped recording medium, and

when the disc-shaped recording medium is loaded on the turntable, the disc holding member of the transferring mechanism detaches from the disc-shaped recording medium.

9. (new) The apparatus of claim 8, wherein the disc holding member of the transferring mechanism is in contact with a rear portion of the disc-shaped recording medium with respect to a disc inserting direction, and presses to drive the disc-shaped recording medium along the disc inserting direction.

10. (new) The apparatus of claim 8, wherein the disc holding member of the transferring mechanism presses to drive the disc-shaped recording medium in a direction proximately parallel with a disc surface of the disc-shaped recording medium.

11. (new) The apparatus of claim 8, wherein the holding member driving device drives the disc holding member of the disc-shaped recording medium to a direction approximately parallel

Application No.: 09/974,593

Docket No.: JCLA8091

Al with a disc surface of the disc-shaped recording medium, for detaching the disc holding member from the disc-shaped recording medium.
